

Stan Tug 1907

STANDARD



» PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions	Towing, mooring and Ø fire-fighting operations
Classification	Bureau Veritas
Painting	I ✱ HULL • MACH Tug Coastal Area Epoxy paint system

DIMENSIONS

Length overall	19.54 m
Beam overall	7.74 m
Depth at sides	3.39 m
Draught aft	2.95 m
Displacement	195 t
Scantlings	Hull plating 10 mm, sheerstrake 20 mm

TANK CAPACITIES

Fuel oil	21.2 m ³
Fresh water	3.1 m ³
Sewage	1.7 m ³
Bilge water	1.3 m ³
Lubrication oil	1.1 m ³
Dirty oil	1.0 m ³
Ø Foam	4.2 m ³

PERFORMANCES

Bollard pull	30.0 t
Speed	11.2 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar C32 TTA ACERT
Total power	1790 kW (2400 bhp) at 1800 rpm
Gearboxes	2x Reintjes WAF 562L 5.947:1
Propellers	2x Kaplan II fixed pitch
Steering gear	Powered hydraulic 2x 45°, with rudder indicator
Nozzles	2x 1800 mm Van de Giessen "Optima"
Rudders	2x streamlined, double plate
Ø Bow thruster	Hydraulically driven ZF, TT 1001 FP 55 kW at 1650 rpm, 610 mm diameter

AUXILIARY EQUIPMENT

Generator set	1x Caterpillar C4.4 NA, 230/400 V, 47 kVA, 50 Hz + Ø 1x Caterpillar C4.4 NA, 230/400 V, 47 kVA, 50 Hz
Battery sets	2x 24 V 400 Ah + change over facility
Alarm system	Engines, gearboxes and bilge alarm
Bilge pump	SIHI VWSI 5013, 20 m ³ /h at 14 m.w.g.
Fuel oil system	Duplex filters, water separator and SOS valve
Cooling system	Closed cooling system
Fresh water system	Electrical hydrophore and sewage pump
Ventilation	2x electrically driven Salor HUA-560, capacity 15.000 m ³ /h
Internal fire fighting	Novec system
Ø External fire fighting	Volvo Penta D3 – 170, 300 m ³ /h at 10 bar with one monitor

DECK LAY-OUT

Anchors	2x 135 kg Pool (High Holding Power)
Chain	110 m per anchor, chain diameter 16 mm
Anchor winch	DMC, electrically driven with warping head
Ø Towing winch aft	High speed 5 ton at 23 m/min, low speed 10 ton at 10 m/min, brake 60 ton, wire capacity 300 m
Ø Capstan	Electric, 3 ton at 15 m/min
Ø Crane	Heila HLM 10-3S 0.8 ton at 10.36 m
Towing hook	Mampaey, disc type SWL 450 kN
Life raft	One on top deck, 6 persons
Fendering	Rubber block bow fender, D-fendering around the hull

ACCOMMODATION

For 4 persons, completely insulated and finished with durable modern linings, acoustical ceiling in de wheelhouse and floating floors. Air-conditioned and heated accommodation with two double crew cabins, pantry, toilet and sanitary space below main deck.

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x Den Haan, 500 W + Ø 1x Den Haan, 500 W
Radar	Furuno 8065
Compact	Cassens & Plath, type Kotter
GPS	Furuno GP-39
VHF	Sailor Compact 6248
VHF hand-held	2x Tron TRON TR-30
Navtex	Furuno NX-700B
Echosounder	Furuno FCV-628
EPIRB	Jotron TRON 60S
SART	Jotron TRON SART20

Ø = Optional equipment

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